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AMENDMENTS

Please amend claims 6-8, and add new claims 14 and 15, as set out in the listing of claims 1-15 below.

- (Withdrawn) An isolated nucleic acid molecule encoding the protein cyplasin with a deleted or non-functional secretory signal sequence, being selected from the group consisting of
 - (a) a nucleic acid molecule encoding a protein comprising the amino acid sequence from position 20 or 53 to position 558 of the sequence marked with "L" of Figure 2(a) (SEQ ID NO: 1);
 - (b) a nucleic acid molecule comprising the sequence of Figure 2(b) (SEQ ID NO: 5);
 - (c) a nucleic acid molecule the nucleic acid sequence of which deviates from the nucleic sequences specified in (a) or (b) due to the degeneration of the genetic code; and
 - (d) a nucleic acid molecule, which represents a fragment, derivative or allelic variation of a nucleic acid sequence specified in (a), (b) or (c).
- 2. (Withdrawn) A recombinant vector containing a nucleic acid molecule of claim 1.
- (Withdrawn) The recombinant vector of claim 2 wherein the nucleic acid molecule is
 operatively linked to regulatory elements allowing transcription and synthesis of a
 translatable RNA in prokaryotic and/or eukaryotic host cells.
- 4. (Withdrawn) A recombinant host cell which contains the recombinant vector of claim 2.
- (Withdrawn) The recombinant host cell of claim 4, which is a mammalian cell, a
 bacterial cell, an insect cell or a yeast cell.
- (Currently amended) An isolated protein encoded by the <u>a</u> nucleic acid molecule of claim
 + selected from the group consisting of:
 - (a) a nucleic acid molecule encoding a protein comprising the amino acid sequence from position 20 or 53 to position 558 of SEQ ID NO: 1;
 - (b) a nucleic acid molecule comprising the sequence of SEQ ID NO: 5;

- (c) a nucleic acid molecule the nucleic acid sequence of which deviates from the nucleic sequences specified in (a) or (b) due to the degeneration of the genetic code; and
- (d) a nucleic acid molecule, which represents a fragment, derivative or allelic variation of a nucleic acid sequence specified in (a), (b) or (c).
- 7. (Withdrawn, currently amended) A method of making a protein exhibiting biological properties of cyplasin comprising:
 - (a) culturing the a recombinant host cell of elaim 4 containing a recombinant vector containing a nucleic acid molecule encoding the protein cyplasin with a deleted or non-functional secretory signal sequence, the nucleic acid molecule being selected from the group consisting of:
 - (i) a nucleic acid molecule encoding a protein comprising the amino acid sequence from position 20 or 53 to position 558 of SEQ ID NO: 1;
 - (ii) a nucleic acid molecule comprising the sequence of SEQ ID NO: 5;
 - (iii) a nucleic acid molecule the nucleic acid sequence of which deviates from the nucleic sequences specified in (i) or (ii) due to the degeneration of the genetic code; and
 - (iv) a nucleic acid molecule, which represents a fragment, derivative or allelic variation of a nucleic acid sequence specified in (i), (ii) or (iii)

under conditions such that said protein is expressed; and

- (b) recovering said protein.
- 8. (Withdrawn, currently amended) A method of making a cytotoxic protein in eukaryotic host cells, which is cytotoxic for said cells when secreted from said cells or externally applied-comprising:
 - (a) culturing a host cell transfected with a nucleic acid sequence of claim-1 selected from the group consisting of:
 - (i) a nucleic acid molecule encoding a protein comprising the amino acid sequence from position 20 or 53 to position 558 of SEQ ID NO: 1:

- (ii) a nucleic acid molecule comprising the sequence of SEQ ID NO: 5;
- (iii) a nucleic acid molecule the nucleic acid sequence of which deviates from the nucleic sequences specified in (i) or (ii) due to the degeneration of the genetic code; and
- (iv) a nucleic acid molecule, which represents a fragment, derivative or allelic variation of a nucleic acid sequence specified in (i), (ii) or (iii)

wherein the nucleic acid sequence encodes a encoding said protein with a deleted or non-functional secretory signal sequence under conditions such that said protein is expressed; and

- (b) recovering said protein, wherein said recovered protein is cytotoxic for said eukaryotic cells when secreted from said cells or when externally applied.
- 9. (Withdrawn) The method of claim 8 wherein the eukaryotic cells are mammalian cells.
- (Withdrawn) A pharmaceutical composition comprising a nucleic acid molecule of claim1.
- (Withdrawn) The pharmaceutical composition according to claim 10, wherein the composition is used for treating cancer.
- 12. (Previously presented) A pharmaceutical composition comprising a protein of claim 6.
- 13. (Previously presented) The pharmaceutical composition according to claim 12, wherein the composition is used for treating cancer.
- 14. (New) The protein of claim 6, wherein the protein is cyplasin with a deleted or non-functional signal sequence.
- (New) The protein of claim 6, wherein the protein exhibits biological properties of cyplasin.

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